

**AMENDMENTS TO THE CLAIMS:**

Please amend claim 1, as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

**Claim 1 (currently amended):** A liquid crystal display device comprising:  
a liquid crystal panel having a plurality of scanning lines and a plurality of signal lines;  
a standard voltage generating circuit providing a plurality of standard voltages;  
a vertical driver that scans the scanning lines of said liquid crystal panel one after another;  
a horizontal driver that receives the plurality of standard voltages provided from said standard voltage generating circuit and supplies supplies said standard voltages to said liquid crystal panel according to gradation voltage data to the signal lines of said liquid crystal panel; and  
a control circuit that creates said gradation data by inverting a polarity of input data for each horizontal synchronization cycle and controls the horizontal drivers so as to apply standard voltage corresponding to said gradation data to the liquid crystal panel;  
wherein a gradation-  $\gamma$  correction voltage relation used by said control circuit for gradation display is symmetrical with respect to a point in a center between a top gradation step and a bottom gradation step.

**Claim 2 (original):** The liquid crystal display device according to claim 1, wherein said gradation-  $\gamma$  correction voltage relation is represented with a straight line and said

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horizontal drivers apply  $\gamma$  correction voltage to said liquid crystal panel in response to the input gradation data to meet the relation.

**Claim 3 (original):** The liquid crystal display device according to claim 1, wherein said gradation-  $\gamma$  correction voltage relation is represented with a non-straight line and said horizontal drivers apply  $\gamma$  correction voltage to said liquid crystal panel in response to the input gradation data to meet the relation.

**Claim 4 (original):** The liquid crystal display device according to claim 3, wherein said non-straight line is a curved line or a polygonal line.

**Claim 5 (original):** The liquid crystal display device according to claim 1, wherein said input data is digital data and said control circuit creates polarity-inverted gradation data by inverting each bit in said digital data.

**Claim 6 (original):** The liquid crystal display device according to claim 1, wherein said standard voltage generating circuit has a ladder resistance and said gradation-  $\gamma$  correction voltage relation is determined by setting the resistance values of said ladder resistance.

**Claim 7 (original):** A driving method of a liquid crystal display device comprising the steps of:

supplying a plurality of standard voltages to a horizontal driver of a liquid crystal panel; and

scanning said liquid crystal panel with a vertical driver by inverting a polarity of input data for each line for displaying gradation;

wherein a gradation-  $\gamma$  correction voltage relation used in displaying gradation is

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symmetrical with respect to a point in a center between a top gradation step and a bottom gradation step.

**Claim 8 (original):** The driving method of a liquid crystal display device according to claim 7, wherein said gradation-  $\gamma$  correction voltage relation is represented with a straight line and said horizontal drivers apply  $\gamma$  correction voltage to said liquid crystal panel in response to the input gradation data to meet the relation.

**Claim 9 (original):** The driving method of a liquid crystal display device according to claim 7, wherein said gradation-  $\gamma$  correction voltage relation is represented with a non-straight line and said horizontal drivers apply  $\gamma$  correction voltage to said liquid crystal panel in response to the input gradation data to meet the relation.

**Claim 10 (original):** The driving method of a liquid crystal display device according to claim 9, wherein said non-straight line is a curved line or a polygonal line.

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